



My HealtheVet (MHV)

Installation Guide & Release Notes

Version 1.0

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Department of Veterans Affairs (VA)
VHA OI Health Enterprise Strategy

REVISION HISTORY

Date	Version No.	Change	Author
4/11/05	1.0	Original Draft	REDACTED
6/12/05	1.0	Update for Pilot Sites	REDACTED
6/16/05	1.0	Updated with Options, Files and Routines sections and more info in introduction and overview.	REDACTED
6/22/05	1.0	<p>Modifications per Joe Tastrom:</p> <p>Under Installation Instructions:</p> <ol style="list-style-type: none"> 1. Routine mapping is moot now with Cache for VMS. That is no longer an option. 2. LOAD a DISTRIBUTION should be Load a Distribution <p>Under Appendix A:</p> <p>Edit the Example to be what will be released (no C:\MHV 1 T3.KID) no T stuff.</p>	REDACTED
8/22/05	1.0	Several updates per EVS review	REDACTED

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1. INTRODUCTION

My HealtheVet (MHV) is a new online environment where veterans, family members and clinicians may come together to optimize veterans' healthcare. Web technology combines essential health record information with online health resources to enable and encourage veteran/clinician collaboration.

1.1. System Overview

MHV is an enterprise system, housed at the Austin Automation Center (AAC). The MHV Portal supports several portlets or portal applications, some of which integrate with VistA applications. The My HealtheVet (MHV) VistA package provides HL7 interfaces and integration with various VistA applications in support of these portlets. Users access the MHV system via a web browser. The site can be found at <http://www.myhealth.va.gov>.

1.2. Prescription Refill

This is the first release of the My HealtheVet VistA package, and it supports the internet prescription refill functionality of the MHV website. It includes HL7 interfaces supporting queries for active prescription information, queries for historical prescription information, and orders for refills.

MHV prescription refill provides this functionality through integration agreements with the Outpatient Pharmacy package, and relies on Application Program Interfaces (APIs) updated and released with the PSO*7*204 patch. Installing that patch and the MHV 1.0 build enables prescription refill functionality on the local system. However, it will be dormant until the MHV Server allows users to access the prescription refill portlet.

2. INSTALLATION

2.1. Installation Overview

The MHV installation process uses the Department of Veterans Affairs (VA) Kernel Installation and Distribution System (KIDS) utility to install all routines, globals, and data dictionary references. The following KIDS builds will be installed as part of the MHV installation: My HealtheVet 1.0. Appendix A contains a capture of a typical install.

Note: Per VHA Directive 2004-038, this package should not be modified after installation.



Attention MHV Pilot Sites

There are additional installation steps necessary for sites running the MHV Pilot. Please see Appendix B if you are installing at Tampa, Bay Pines, Washington D.C., VISN2, or Portland.

2.2. Namespace

The MHV package has been assigned “MHV” as its namespace.

2.3. File Range

MHV File Range: 2275, 2276

2.4. Files

The MHV REQUEST TYPE file# 2275.3 holds information about each request or query type that MHV supports. This file is exported with data.

2.5. Routines

2.5.1. Install Utility Routine MHV1P0

MHV1P0 is the environment check routine and post init routine.

For the environment check, it determines if the MHV Server is in the DOMAIN file# 4.2.

This was distributed as patch XM*DBA*159, and should already be installed.

For the post init, it transmits an installation message to the MHV Server. This takes the form of an MFN^Z01 HL7 message, and contains installation and configuration information. It is sent via Mailman, as the MHV Server will not have a sockets based listener implemented for this release. This message is only sent from production accounts.

2.5.2. Routine Checksums

MHV1P0	1032099
MHV7B0	1016941
MHV7B1	2588116
MHV7B1B	6181561

MHV7B2	5436770
MHV7R1	7907937
MHV7R2	8857636
MHV7T	3228967
MHV7U	6547453
MHVRQI	1952781
MHVU1	1059240
MHVXRX	3091110
MHVXRXR	652540

2.6. Globals

The MHV package introduces one new global: MHV. This global is created when loading as a virgin install and should be defined with the following access privileges: RWD for System, World, Group, and User Class Identifier (UCI), using %GLOMAN for Digital Standard MUMPS (DSM) and ^PROTECT for CACHE.

MHV should be journaled. The original size of MHV is very small, a few KB, but upcoming releases may include functionality that would cause this global to grow. Such functionality would focus on managing incoming queries, and possibly auditing. Growth would be based on usage (number of queries).

2.7. Options

No options are released with this version of MHV. However, the previously released *Process Internet Refills* option [PSO INTERNET REFILLS] was updated with the PSO*7*204 patch. It is now necessary to run this option on a regular basis to process the refill requests entered by users of MHV. The recommendation is that the option be run three times a day. More information can be found in the Outpatient Pharmacy User Manual.

2.8. Estimated Time Taken by the Installation Process

Depending on the hardware installed at each site, the MHV installation process is estimated to take less than three minutes.

2.9. Required Patches

Required Applications	Minimum Version Number	Required Patches
Kernel	8.0	XU*8*284
VA FileMan	22.0	
MailMan	8.0	XM*DBA*159
HL7	1.6	
Outpatient Pharmacy	7.0	PSO*7*204
Master Patient Index VistA	1.0	
Registration	5.3	

3. HL7 COMPONENTS

This release relies on synchronous HL7 messaging. A logical link to the MHV server is not required. However the DOMAIN file #4.2 entry for the MHV server, distributed under XM*DBA*159, is required.

There are two new HL7 Application Parameters:

MHV VISTA
MHV EVAULT

There are six new HL7 Protocols:

MHV MFN-Z01 Event Driver
MHV MFN-Z01 Subscriber
MHV ORM-O09 Event Driver
MHV ORM-O09 Subscriber
MHV QBP-Q13 Event Driver
MHV QBP-Q13 Subscriber



Please be advised that the volume of MHV related HL7 traffic depends on the number of users checking prescription information. Queries are limited to once per day per user, but every user can check every day. Internet prescription refill is expected to be very popular, drawing many new users to MHV. However, use is expected to be based on the need to refill prescriptions and limited to a few times per month per user.

4. INSTALLATION INSTRUCTIONS

The My HealtheVet 1.0 package is distributed in KIDS format in a Host File MHV_1.KID.

The build requires PSO*7*204, and XM*DBA*159, and XU*8.0*284.

The install time for this patch is less than 3 minutes. This patch can be installed with users on the system.

1. Use the LOAD a DISTRIBUTION option on the KIDS INSTALLATION Menu, and enter:
[Path]MHV_1.KID
This option will load the KIDS build into a Transport global on your system.
2. When prompted “Want to Continue with Load? YES//” respond **YES**
3. When prompted “Want to RUN the Environment Check Routine? YES//” respond **YES**.
4. You now need to use KIDS to install the transport global.
5. From the KIDS INSTALLATION menu, you may elect to use the following options (when prompted for INSTALL NAME, enter **My HealtheVet 1.0**):
 - a. Backup a Transport Global - this option will create a backup message of any routines exported with the patch. It will NOT backup any other changes such as DDs or templates.
 - b. Compare Transport Global to Current System - this option will allow you to view all changes that will be made when the patch is installed. It compares all components of the patch (routines, DDs, templates, etc.).
 - c. Verify Checksums in Transport Global - this option will allow you to ensure the integrity of the routines that are in the transport global.
 - d. Print Transport Global - this option will allow you to view the components of the KIDS build.
6. Use the 'Install Package(s)' option under the 'Installation' menu and select the package **My HealtheVet 1.0**
7. When prompted "Want KIDS to INHIBIT LOGONs during the install? YES//", respond **NO**.
8. When prompted 'Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES//', respond **NO**.
9. At the DEVICE prompt, you can send your output to any printer or HFS file, display it on the terminal screen, or queue it to run at a scheduled time.

5. APPENDIX A: KIDS INSTALLATION EXAMPLE

```
Select Installation Option: 1  Load a Distribution
Enter a Host File: MHV_1.KID

KIDS Distribution saved on Apr 16, 2005@16:46:18
Comment: My HealtheVet 1.0

This Distribution contains Transport Globals for the following Package(s):
  My HealtheVet 1.0
Distribution OK!

Want to Continue with Load? YES//
Loading Distribution...

Build My HealtheVet 1.0 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES//
  My HealtheVet 1.0
Will first run the Environment Check Routine, MHV1P0

Use INSTALL NAME: My HealtheVet 1.0 to install this Distribution.

  1      Load a Distribution
  2      Verify Checksums in Transport Global
  3      Print Transport Global
  4      Compare Transport Global to Current System
  5      Backup a Transport Global
  6      Install Package(s)
          Restart Install of Package(s)
          Unload a Distribution

Select Installation Option: 2  Verify Checksums in Transport Global
Select INSTALL NAME:      My HealtheVet 1.0      Loaded from Distribution
4/16/05@19:29:35
    => My HealtheVet 1.0  ;Created on Apr 16, 2005@16:46:18

This Distribution was loaded on Apr 16, 2005@19:29:35 with header of
  My HealtheVet 1.0  ;Created on Apr 16, 2005@16:46:18
  It consisted of the following Install(s):
My HealtheVet 1.0
DEVICE: HOME//      TELNET PORT

PACKAGE: My HealtheVet 1.0      Apr 16, 2005 7:29 pm      PAGE 1
-----
  13 Routine checked, 0 failed.

  1      Load a Distribution
  2      Verify Checksums in Transport Global
  3      Print Transport Global
  4      Compare Transport Global to Current System
  5      Backup a Transport Global
  6      Install Package(s)
          Restart Install of Package(s)
          Unload a Distribution
```

```

Select Installation Option: 6  Install Package(s)
Select INSTALL NAME:      My HealtheVet 1.0      Loaded from Distribution
4/16/05@19:29:35
    => My HealtheVet 1.0  ;Created on Apr 16, 2005@16:46:18

This Distribution was loaded on Apr 16, 2005@19:29:35 with header of
    My HealtheVet 1.0  ;Created on Apr 16, 2005@16:46:18
    It consisted of the following Install(s):
My HealtheVet 1.0
Checking Install for Package My HealtheVet 1.0
Will first run the Environment Check Routine, MHV1P0

Install Questions for My HealtheVet 1.0

Incoming Files:
    2275.3      MHV REQUEST TYPE  (including data)

Want KIDS to INHIBIT LOGONs during the install? YES// NO
Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// NO

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME//      TELNET PORT

Install Started for My HealtheVet 1.0 :      Apr 16, 2005@19:30:05
Build Distribution Date: Apr 16, 2005
Installing Routines:      Apr 16, 2005@19:30:05
Installing Data Dictionaries:      Apr 16, 2005@19:30:05
Installing Data:      Apr 16, 2005@19:30:05
Installing PACKAGE COMPONENTS:
Installing HL7 APPLICATION PARAMETER
Installing PROTOCOL
    Located in the MHV (My HealtheVet) namespace.
    Located in the MHV (My HealtheVet) namespace.
    Located in the MHV (My HealtheVet) namespace.
    Located in the MHV (My HealtheVet) namespace.
    Located in the MHV (My HealtheVet) namespace.
    Located in the MHV (My HealtheVet) namespace.
    Apr 16, 2005@19:30:06

Running Post-Install Routine: POST^MHV1P0

    *** Installation message sent to My HealtheVet Server

Updating Routine file...

Updating KIDS files...

My HealtheVet 1.0 Installed.
    Apr 16, 2005@19:30:07

Install Completed

```

6. APPENDIX B: MHV PILOT SITE INSTALLATION

The namespace for My HealtheVet has changed from EVET to MHV. This change was made to reduce possible confusion with HealtheVet. My HealtheVet will maintain both namespaces until after the pilot has run its course.

Routines, files and other components were named and numbered so as not to conflict with pilot functionality. The namespace change further enhances this, except for the package file entry for My HealtheVet. Since the entry already exists for “My HealtheVet”, the old entry must be changed to permit the new one to file.

Use File Manager to edit the NAME field #.01 of the PACKAGE file #9.4 of the “My HealtheVet” package entry. Change it to “MHV Pilot”.

Example:

```
VA FileMan 22.0

Select OPTION: ENTER OR EDIT FILE ENTRIES

  INPUT TO WHAT FILE: PACKAGE// PACKAGE
EDIT WHICH FIELD: ALL// NAME
    1  NAME
    2  NAMESPACE  PREFIX
CHOOSE 1-2: 1  NAME
THEN EDIT FIELD:

Select PACKAGE NAME: EVET  My HealtheVet Pilot      EVET
NAME: My HealtheVet Pilot// MHV Pilot

Select PACKAGE NAME:
```